

C102-14430

ADDENDUM NUMBER 1

MILWAUKEE COUNTY COURTHOUSE
COOLING TOWER REPLACEMENT

Site #240, Bldg. #10
901 North 9th Street
Milwaukee, WI 53233

Project Number: C102-14430

Notice Number: 6954

Date of Addendum: August 28, 2014

This Addendum to the Contract Documents is issued to modify, explain or correct the original documents, dated August 11, 2014, and is hereby made part of the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form, or bid may be rejected.

DRAWINGS

M001.

DELETE Section 26 00 00 Electrical Specifications and refer to the book specifications.
DELETE Cooling Tower Schedule and insert in its place Attachment drawing M001A.
INSERT the following new Note to M001: "CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING PERMITS FROM THE CITY OF MILWAUKEE TO SHUT DOWN STREETS AND LIFT ALL EQUIPMENT INTO PLACE."

M002.

INSERT Section Detail 3 , SECTION B-B from Attachment drawing M002A
INSERT a new note on M002 as follows: "A STAINLESS STEEL CAP OVER THE TOP FLANGE OF STEEL SUPPORT WILL BE ACCEPTABLE IN LIEU OF PAINTING THAT PART OF THE FRAME."

M003.

INSERT Details 2, 3, 4 & 5 from Attachment drawing ME003A
INSERT a new note on ME003 as follows: "A STAINLESS STEEL CAP OVER THE TOP FLANGE OF STEEL SUPPORT WILL BE ACCEPTABLE IN LIEU OF PAINTING THAT PART OF THE FRAME."

End of Addendum No. 1

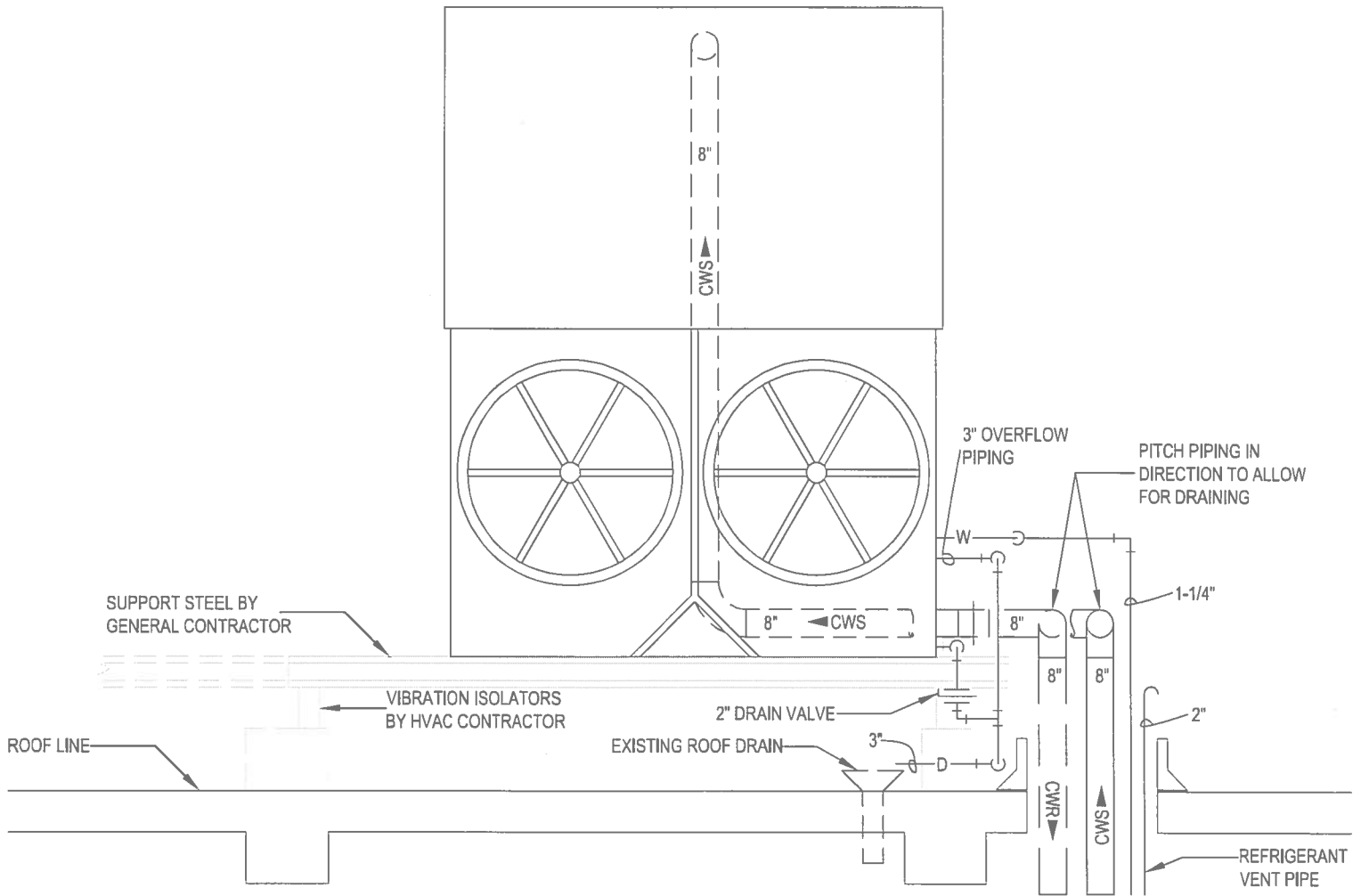
COOLING TOWER SCHEDULE																							
PLAN MARK CT.	LOCATION	SERVES	MANUFACTURER	MODEL	OPERATING WEIGHT	NOMINAL TONS	GPM		AMBIENT TEMP WB (°F)	E.W.T. (°F)	L.W.T. (°F)	MOTOR HP	STARTER DESCRIPTION				COVER MODIFICATION						
							FULL FLOW	MINIMUM FLOW					FURL BY	INST. BY	LOCATION	TYPE	NEMA RATING	COMB.	BLANK	SS P.B.	H.O.A.	P.L.	
3	ROOF	CH-3	RAC	S3E-8518-067	16000	325	975	400	78.16	95	85	15	M.C.	E.C.	H1	VFD	1	•	-	-	•	•	
4	ROOF	CH-4	RAC	S3E-8518-067	16000	325	975	400	78.16	95	85	15	M.C.	E.C.	H1	VFD	1	•	-	-	•	•	

H1 IN PENTHOUSE DIRECTLY BELOW UNIT
H2 ALTERNATE BLD. PROVIDE (2) 9KW ELECTRIC IMMERSION HEATER IN BASIN FOR CT-3. MECHANICAL CONTRACTOR SHALL PROVIDE COMB. MAG CONTACTOR & FUSED DISCONNECT FOR EACH HEATER. THERMOSTAT & LOW WATER CUTOFF BY FACTORY. EC SHALL WIRE.
E1 EXISTING MOTOR CONTROL PANEL IN PENTHOUSE DIRECTLY BELOW UNITS

ELECTRICAL DATA																HARDWIRE INTERLOCK WITH PLAN MARK NO.	EMERGENCY POWER (YES/NO)	COMMENTS
CONT. TMPR (24V/200V)	VOLTS/ PHASE	SCCR (KVA)	AMPS		FED FROM			BR WIRING			DISCONNECT SWITCH							
			HP	MCA	MOC	PH	NO	SIZE	GRD	COND	FURN BY	INST BY	FUSES					
120	480/3	65	15	21	40	MCC-S	E1	40A	3	8	10	1	M.C.	E.C.	YES	NO	CHILLER	H1, H2, E1
170	480/3	65	15	21	40	MCC-S	E1	40A	3	8	10	1	M.C.	E.C.	YES	NO	CHILLER	H1, E1

ADDENDUM 01

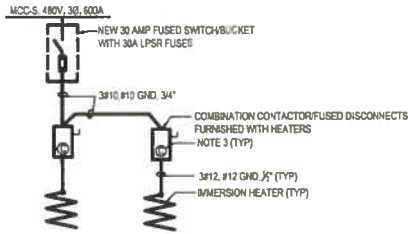




3 SECTION "B-B"
1/4" = 1' - 0"

ADDENDUM 01



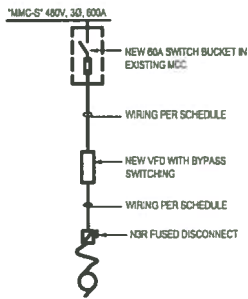


5 IMMERSION HEATER WIRING DIAGRAM (ALTERNATE BID)

NO SCALE

NOTES:

1. PROVIDE A SEALTITE FLEX CONNECTION TO ALL TOWER MOUNTED EQUIPMENT.
2. NEW ROOF PENETRATIONS SHALL BE PROPERLY SEALED.
 - a. IN BUILT UP ROOFING (BUR), PROVIDE ALL CURBS, CANTS AND BASE FLASHING.
 - b. IN ELASTIC SHEET ROOFING (ESR), ARRANGE AND PAY FOR FLASHING WORK BY AUTHORIZE ROOFER.
3. EACH HEATER COIL TO BE CONTROLLED BY A LOWER WATER SWITCH, THERMOSTAT AND A LOCAL SWITCH DISCONNECT ALL WIRED IN SERIES. PROVIDE AND INSTALL FUSE, CONTROL, TRANSFORMER, TOGGLE SWITCH, AND ALL CONTROL WIRING FOR HEATER CONTROL AS REQUIRED IN HEATER INSTALLATION GUIDELINES. COORDINATE CONTROL TRANSFORMER VOLTAGE WITH CONTACTOR COIL VOLTAGE.
4. CONTROL TRANSFORMERS TO BE 480 VOLT PRIMARY AND TAPPED FROM LINE SIDE OF CONTACTORS.

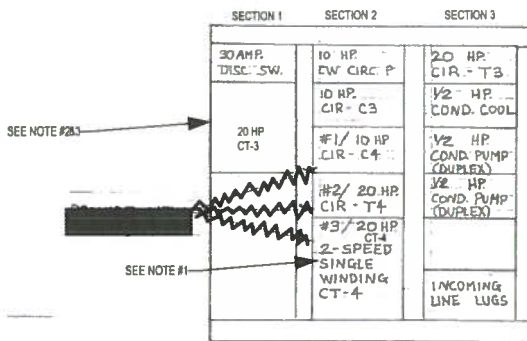


3 WIRING TO COOLING TOWER (TYP.-2)

NO SCALE

NOTES:

1. PROVIDE SEALTITE, FLEXIBLE CONNECTION TO COOLING TOWER.
2. DO NOT RE-USE ANY EXISTING SEALTITE CONDUIT.
3. NEW ROOF PENETRATIONS SHALL BE PROPERLY SEALED.
 - a. IN BUILT UP ROOFING (BUR), PROVIDE ALL CURBS, CANTS AND BASE FLASHING.
 - b. IN ELASTIC SHEET ROOFING (ESR), ARRANGE AND PAY FOR FLASHING WORK BY AUTHORIZE ROOFER.



MOTOR CONTROL CENTER - "MCC-S"

ALLEN-BRADLEY BULLETIN 2100
CENTERLINE CONTROL CENTER
SERIAL #MT33514

2

MOTOR CONTROL CENTER - "MCC-S"

NO SCALE



4

EXISTING MCC

NO SCALE

NOTES:

1. REMOVE EXISTING 2-SPEED STARTER AND REPLACE WITH A NEW 600 ALLEN BRADLEY FUSED SWITCHBUCKET. NEW SWITCH IS SMALLER THAN 2-SPEED STARTER, THEREFORE, ALSO INSTALL A BLANK PANEL TO COVER OPEN SPACE. NEW SWITCH SHALL BE BUCKET TYPE, LISTED FOR INSTALLATION IN MOTOR CONTROL CENTER. CONTACT DUANE AT HOLTREVERE ELECTRIC (262) 369-7100 FOR PRICING AND DELIVERY.
2. REMOVE EXISTING 2-SPEED STARTER AND REPLACE WITH A 600 ALLEN BRADLEY FUSED SWITCHBUCKET AND A 300 ALLEN BRADLEY FUSED SWITCHBUCKET. NEW SWITCH SHALL BE BUCKET TYPE, LISTED FOR INSTALLATION IN MOTOR CONTROL CENTER. NEW SWITCH IS SMALLER THAN 2-SPEED STARTER, THEREFORE, ALSO INSTALL A BLANK PANEL TO COVER OPEN SPACE. CONTACT DUANE AT HOLTREVERE ELECTRIC (262) 369-7100 FOR PRICING AND DELIVERY.
3. 30 AMP FUSED DISCONNECT FOR IMMERSION HEATERS IS AN ALTERNATE BID.

